| 0       | For receiving Office use only   |   |  |  |
|---------|---|---|--|--|
| 0-1     | International Application No.   |   |  |  |
| 0-2     | International Filing Date   |   |  |  |
| 0-3     | Name of receiving Office and "PCT International Application"  |   |  |  |
| 0-4     | Form - PCT/RO/101 PCT Request   |   |  |  |
| 0-4-1   | Prepared Using  | PCT Online Filing                               |  |  |
|         |   | Version 3.50 (Build 0001.162)                   |  |  |
| 0-5     | Petition  |   |  |  |
|         | The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty |   |  |  |
| 0-6     | Receiving Office (specified by the applicant)   | European Patent Office (EPO) (RO/EP)            |  |  |
| 0-7     | Applicant's or agent's file reference   | TIP 054 PCT                                     |  |  |
| ı       | Title of Invention  | HCV INHIBITIING SULFONAMIDES                    |  |  |
| II      | Applicant   |   |  |  |
| II-1    | This person is:   | applicant only                                  |  |  |
| II-2    | Applicant for   | all designated States except US                 |  |  |
| 11-4    | Name:   | TIBOTEC PHARMACEUTICALS LTD.                    |  |  |
| II-5    | Address:  | Little Island                                   |  |  |
|         |   | Co Cork   |  |  |
|         |   | Ireland   |  |  |
| II-6    | State of nationality  | IE  |  |  |
| 11-7    | State of residence  | IE  |  |  |
| II-11   | Applicant's registration No. with the Office  | 3392030.7                                       |  |  |
| III-1   | Applicant and/or inventor   |   |  |  |
| III-1-1 | This person is:   | applicant and inventor                          |  |  |
| III-1-2 | Applicant for   | US only   |  |  |
| III-1-4 | Name (LAST, First)  | SIMMEN, Kenneth Alan                            |  |  |
| III-1-5 | Address:  | Boterbloemenlaan 35<br>3080 Tervuren<br>Belgium |  |  |
| III-1-6 | State of nationality  | GB  |  |  |
| III-1-7 | State of residence  | BE  |  |  |
|         |   | PB  |  |  |

| III-2            | Applicant and/or inventor |   |  |  |
|------------------|---------------------------|---|--|--|
| III-2-1          | This person is:           | applicant and inventor                                      |  |  |
| III-2-2          | Applicant for             | US only   |  |  |
| III-2-4          | Name (LAST, First)        | VAN ACKER, Koenraad Lodewijk August                         |  |  |
| III-2-5          | Address:                  | Uilenberg 30<br>9140 Temse                                  |  |  |
|                  |                           | Belgium   |  |  |
| III-2-6          | State of nationality      | BE  |  |  |
| 111-2-7          | State of residence        | BE  |  |  |
| III-3            | Applicant and/or inventor |   |  |  |
| III-3-1          | This person is:           | applicant and inventor                                      |  |  |
| 111-3-2          | Applicant for             | US only   |  |  |
| III-3-4          | Name (LAST, First)        | WIGERINCK, Piet Tom Bert Paul                               |  |  |
| III-3-5          | Address:                  | Kardinaal Cardijnstraat 29<br>2840 Terhagen<br>Belgium      |  |  |
| III-3-6          | State of nationality      | BE  |  |  |
| III-3-7          | State of residence        | BE  |  |  |
| 111-4            | Applicant and/or inventor |   |  |  |
| 111-4-1          | This person is:           | applicant and inventor                                      |  |  |
| III-4-2          | Applicant for             | US only   |  |  |
| III-4-4          | Name (LAST, First)        | SURLERAUX, Dominique Louis Nestor<br>Ghislain               |  |  |
| III-4-5          | Address:                  | rue de la scaillée, 13<br>1440 Braine-le-château<br>Belgium |  |  |
| III-4-6          | State of nationality      | BE  |  |  |
| 111-4-7          | State of residence        | BE  |  |  |
| III-5            | Applicant and/or inventor |   |  |  |
| III-5-1          | This person is:           | applicant and inventor                                      |  |  |
| III-5-2          | Applicant for             | US only   |  |  |
| III <b>-</b> 5-4 | Name (LAST, First)        | DAMS, Géry Karel Julia                                      |  |  |
| III-5-5          | Address:                  | Nieuwe Erven 11<br>3583 PAAL-BERINGEN<br>Belgium            |  |  |
| III-5-6          | State of nationality      | BE  |  |  |
| III-5-7          | State of residence        | BE  |  |  |

| III-6-1   This person is:   applicant and inventor   III-6-2   Applicant for   US only     III-6-4   Name (LAST, First)   QUIRYNEN, Ludo Maria Marcel     III-6-5   Address:   Katelijnestraat 19F     2320   Hoogstraten     Belgium     III-6-6   State of nationality   BE     III-7   State of residence   BE     III-7   This person is:   applicant and inventor     III-7-2   Applicant for   US only     III-7-4   Name (LAST, First)   HERTOGS, Kurt     III-7-5   Address:   Albert I laan 185 bus 401     8260 Nieuwpoort     Belgium |
|--|
| III-6-2   Applicant for   US only     III-6-4   Name (LAST, First)   QUIRYNEN, Ludo Maria Marcel     III-6-5   Address:   Katelijnestraat 19F     2320   Hoogstraten     Belgium     BE     III-6-7   State of residence   BE     III-7   Applicant and/or inventor     III-7-1   This person is:   applicant and inventor     III-7-2   Applicant for   US only     III-7-4   Name (LAST, First)   HERTOGS, Kurt     III-7-5   Address:   Albert I laan 185 bus 401     8260   Nieuwpoort     Belgium   |
| Name (LAST, First)   QUIRYNEN, Ludo Maria Marcel     Katelijnestraat 19F     2320 Hoogstraten     Belgium     III-6-6   State of nationality   BE     III-7   Applicant and/or inventor     III-7-1   This person is:   applicant and inventor     III-7-2   Applicant for   Us only     III-7-4   Name (LAST, First)   HERTOGS, Kurt     III-7-5   Address:   Albert I laan 185 bus 401     8260 Nieuwpoort     Belgium   |
| III-6-5   Address:   Katelijnestraat 19F   2320 Hoogstraten   Belgium     III-6-6   State of nationality   BE     III-7   State of residence   BE     III-7   Applicant and/or inventor   This person is:   applicant and inventor     III-7-2   Applicant for   US only     III-7-4   Name (LAST, First)   HERTOGS, Kurt     III-7-5   Address:   Albert I laan 185 bus 401   8260 Nieuwpoort   Belgium   |
| 2320 Hoogstraten Belgium BE III-6-6 State of nationality BE III-7 State of residence BE III-7 Applicant and/or inventor This person is: applicant and inventor III-7-2 Applicant for US only III-7-4 Name (LAST, First) HERTOGS, Kurt III-7-5 Address: Albert I laan 185 bus 401 8260 Nieuwpoort Belgium   |
| III-6-6 State of residence BE  III-7 Applicant and/or inventor III-7-1 This person is: applicant and inventor III-7-2 Applicant for US only III-7-4 Name (LAST, First) HERTOGS, Kurt III-7-5 Address: Albert I laan 185 bus 401 8260 Nieuwpoort Belgium  |
| III-6-7 State of residence  III-7 Applicant and/or inventor  III-7-1 This person is:  III-7-2 Applicant for  III-7-4 Name (LAST, First)  III-7-5 Address:  Albert I laan 185 bus 401  8260 Nieuwpoort  BEB  BE  Applicant and inventor  US only  HERTOGS, Kurt  Albert I laan 185 bus 401  8260 Nieuwpoort  Belgium  |
| III-7-1 This person is: III-7-2 Applicant for III-7-4 Name (LAST, First) III-7-5 Address:  Applicant and inventor US only HERTOGS, Kurt Albert I laan 185 bus 401 8260 Nieuwpoort Belgium  |
| This person is:  Applicant for US only Name (LAST, First)  HERTOGS, Kurt Albert I laan 185 bus 401 8260 Nieuwpoort Belgium   |
| Applicant for US only  III-7-4 Name (LAST, First) HERTOGS, Kurt  Address: Albert I laan 185 bus 401 8260 Nieuwpoort Belgium  |
| Name (LAST, First)  HERTOGS, Kurt  Address:  Albert I laan 185 bus 401 8260 Nieuwpoort Belgium   |
| Address: Albert I laan 185 bus 401 8260 Nieuwpoort Belgium   |
| 8260 Nieuwpoort Belgium  |
| Belgium  |
|  |
|  |
| III-7-6 State of nationality BE  |
| III-7-7 State of residence BE  |
| III-8 Applicant and/or inventor  |
| III-8-1 This person is: applicant and inventor   |
| III-8-2 Applicant for US only  |
| Name (LAST, First)  PAUWELS, Rudi Wilfried Jan   |
| III-8-5 Address: Chemin de Layaz 3   |
| 1806 Saint-Légier La Chiésaz   |
| Switzerland  |
| III-8-6 State of nationality  BE   |
| III-8-7 State of residence CH  |
| IV-1 Agent or common representative; or address for correspondence   |
| The person identified below is hereby/ agent   |
| has been appointed to act on behalf of the applicant(s) before the competent   |
| International Authorities as:  |
| IV-1-1 Name (LAST, First) DAELEMANS, Frank   |
| IV-1-2 Address: Tibotec-Virco Comm. VA   |
| Generaal De Wittelaan L 11B 3  |
| 2800 Mechelen  |
| Belgium  |
| IV-1-3 Telephone No. +32 15 401 270  |
| IV-1-4 Facsimile No. +32 15 275 478  |
| IV-1-5 e-mail fdaelema@tibbe.jnj.com   |
| IV-1-6 Agent's registration No. 091904.3   |

| v       | DESIGNATIONS  |                                       |  |  |
|---------|---|---------------------------------------|--|--|
| V-1     | The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date,            |                                       |  |  |
|         | for the grant of every kind of protection available and, where applicable, for the grant of both  |                                       |  |  |
| VI-1    | regional and national patents.  Priority claim of earlier regional  |                                       |  |  |
| **-1    | application   |                                       |  |  |
| VI-1-1  | Filing date   | 30 September 2003 (30.09.2003)        |  |  |
| VI-1-2  | Number  | 03103629.6                            |  |  |
| VI-1-3  | Regional Office   | EP                                    |  |  |
| VI-2    | Priority claim of earlier national  |                                       |  |  |
| VI-2-1  | application Filing date   | 01 October 2003 (01.10.2003)          |  |  |
| VI-2-2  | Number  | 60/507,535                            |  |  |
| VI-2-3  | Country   | US                                    |  |  |
| VI-3    | Priority document request   |                                       |  |  |
|         | The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s): | VI-1                                  |  |  |
| VII-1   | International Searching Authority<br>Chosen   | European Patent Office (EPO) (ISA/EP) |  |  |
| VII-2   | Request to use results of earlier search; reference to that search  |                                       |  |  |
| VII-2-1 | Date  | 30 September 2003 (30.09.2003)        |  |  |
| VII-2-2 | Number  | 03103629.6                            |  |  |
| VII-2-3 | Country (or regional Office)  | EP                                    |  |  |
| VIII    | Declarations  | Number of declarations                |  |  |
| VIII-1  | Declaration as to the identity of the inventor  | -                                     |  |  |
| VIII-2  | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent  | -                                     |  |  |
| VIII-3  | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application                              | -                                     |  |  |
| VIII-4  | Declaration of inventorship (only for the purposes of the designation of the United States of America)  | -                                     |  |  |
| VIII-5  | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty  | -                                     |  |  |

#### Print Out (Original in Electronic Form)

| IX    | Check list   | number of sheets           | electronic file(s) attached |  |
|-------|--|----------------------------|-----------------------------|--|
| IX-1  | Request (including declaration sheets)                     | 5                          | /                           |  |
| IX-2  | Description  | 28                         | /                           |  |
| IX-3  | Claims   | 7                          | <b>✓</b>                    |  |
| X-4   | Abstract   | 1                          | /                           |  |
| X-5   | Drawings   | 0                          | /                           |  |
| X-7   | TOTAL  | 41                         | <u> </u>                    |  |
|       | Accompanying Items   | paper document(s) attached | electronic file(s) attached |  |
| X-8   | Fee calculation sheet                                      | _                          | /                           |  |
| IX-11 | Copy of general power of attorney                          | -                          | reference no.<br>GA44036    |  |
| X-17  | PCT-SAFE physical media                                    | -                          | -                           |  |
| X-19  | Figure of the drawings which should accompany the abstract |                            |                             |  |
| X-20  | Language of filing of the international application        | English                    |                             |  |
| X-1   | Signature of applicant, agent or common representative     | (PKCS7 Digital Signature)  |                             |  |
| X-1-1 | Name (LAST, First)   | DAELEMANS, Frank           |                             |  |
| X-1-2 | Name of signatory  |                            |                             |  |
| X-1-3 | Capacity   |                            |                             |  |

#### FOR RECEIVING OFFICE USE ONLY

| 10-1   | Date of actual receipt of the purported international application   |        |
|--------|---|--------|
| 10-2   | Drawings:   |        |
| 10-2-1 | Received  |        |
| 10-2-2 | Not received  |        |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application |        |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)  |        |
| 10-5   | International Searching Authority   | ISA/EP |
| 10-6   | Transmittal of search copy delayed until search fee is paid   |        |

#### FOR INTERNATIONAL BUREAU USE ONLY

| 11-1 | Date of receipt of the record copy by |  |
|------|---------------------------------------|--|
|      | the International Bureau              |  |

PCT (ANNEX - FEE CALCULATION SHEET)

Print Out (Original in Electronic Form)

(This sheet is not part of and does not count as a sheet of the international application)

| 0       | For receiving Office use only   |                                |                     |            |
|---------|---|--------------------------------|---------------------|------------|
| 0-1     | International Application No.   |                                |                     |            |
| 0-2     | Date stamp of the receiving Office  |                                |                     |            |
|         |   |                                |                     |            |
| 0.4     | In a portro week to   |                                |                     |            |
| 0-4     | Form PCT/RO/101 (Annex) PCT Fee Calculation Sheet   |                                |                     |            |
| 0-4-1   | Prepared Using  | PCT Online Fil                 | ling                |            |
|         | ·   |                                | (Build 0001.162)    |            |
| 0-9     | Applicant's or agent's file reference   | TIP 054 PCT                    |                     |            |
| 2       | Applicant   | TIBOTEC PHARM                  | ACEUTICALS LTD.     |            |
| 12      | Calculation of prescribed fees  | fee amount/muliplier           | Total amounts (EUR) |            |
| 12-1    | Transmittal fee T   | 4>                             | 100                 |            |
| 12-2-1  | Search fee S  | €>                             | 1550                |            |
| 12-2-2  | International search to be carried out by   | EP                             |                     |            |
| 12-3    | International filing fee  |                                |                     |            |
|         | (first 30 sheets) i1  | 902                            |                     |            |
| 12-4    | Remaining sheets  | 11                             |                     |            |
| 12-5    | Additional amount (X)   | 10                             |                     |            |
| 12-6    | Total additional amount i2  | 110                            |                     |            |
| 12-7    | i1 + i2 = i   | 1012                           |                     |            |
| 12-12   | Electronic Filing reduction (Full) R  | -129                           |                     |            |
| 12-13   | Total International filing fee (i-R)  | 4>                             | 883                 |            |
| 12-14   | Fee for priority document   |                                |                     |            |
|         | Number of priority documents requested  | 1                              |                     |            |
| 12-15   | Fee per document (X)  | 30                             |                     |            |
| 12-16   | Total priority document fee: P  | 4>                             | 30                  |            |
| 12-17   | TOTAL FEES PAYABLE (T+S+I+P)  | ₽\$                            | 2563                |            |
| 12-19   | Mode of payment   | authorization                  | to charge depos     | it account |
| 12-20   | Deposit account instructions  |                                |                     |            |
|         | The receiving Office  | European Pater                 | nt Office (EPO)     | (RO/EP)    |
| 12-20-1 | Authorization to charge the total fees indicated above.   | ✓ <u> </u>                     |                     |            |
| 12-20-2 | Authorization to charge any deficiency or<br>credit any overpayment in the total fees<br>indicated above. | <b>√</b>                       |                     |            |
| 12-20-3 | Authorization to charge the fee for priority document.  | <b>√</b>                       |                     |            |
| 12-21   | Deposit account No.   | 28020069                       |                     |            |
| 12-22   | Date  | 30 September 2004 (30.09.2004) |                     |            |
| 12-23   | Name and signature  | TIBOTEC PHARMACEUTICALS LTD.,  |                     |            |
|         |   | /F. Daelemans,                 | ,                   |            |